

WHAT IS CLAIMED IS:

1. An astragal assembly for attachment to a passive door, comprising:  
  
a metallic rail having an exterior portion, an interior portion spaced from and opposed to the exterior portion, and a side portion extending between the exterior portion and the interior portion, wherein an elongated open channel is defined in the metallic rail with sides formed by the exterior portion and the interior portion and a base formed by the side portion; and  
  
a wooden insert retained within the elongated open channel in the metallic rail.
2. The astragal assembly of claim 1, wherein the wooden insert extends substantially the entire length of the elongated open channel.
3. The astragal assembly of claim 1, wherein the wooden insert is a solid piece of wood.
4. The astragal assembly of claim 1, wherein the wooden insert comprises multiple pieces of wooden strips secured within the elongated open channel.
5. The astragal assembly of claim 1, wherein the wooden insert is elongated and symmetrical about a longitudinal axis.
6. The astragal assembly of claim 1, wherein the metallic rail includes extruded aluminum.
7. The astragal assembly of claim 1, wherein the metallic rail comprises aluminum.
8. The astragal assembly of claim 1, further comprising hardware attached to the wooden insert.
9. The astragal assembly of claim 8, wherein the hardware includes a strike plate.
10. The astragal assembly of claim 8, wherein the hardware directly contacts the wooden insert.

11. The astragal assembly of claim 1, wherein the interior portion includes an interior flange that extends past the side portion for overlapping an interior surface of the passive door.

12. The astragal assembly of claim 1, wherein the exterior portion includes a stop that extends from one side thereof.

13. The astragal assembly of claim 12, further comprising a gasket secured to the stop.

14. The astragal assembly of claim 1, wherein the exterior portion includes an exterior flange that extends past the side portion for overlapping an exterior surface of the passive door.

15. The astragal assembly of claim 1, wherein the exterior portion includes an exterior flange and the interior portion includes an interior flange, wherein the exterior flange and the interior flange extend past the side portion to define a door edge receiving opening.

16. The astragal assembly of claim 1, wherein the exterior portion includes a hollow elongate tubular section, wherein the channel is formed between the interior portion and the hollow elongate tubular section.

17. The astragal assembly of claim 1, wherein the side portion includes a thermal break.

18. The astragal assembly of claim 1, wherein the side portion includes preformed openings to receive fasteners for connecting the astragal to the passive door.

19. The astragal assembly of claim 1, wherein the exterior portion and the interior portion each have a hook that extends into the channel and retains the wooden insert.

20. The astragal assembly of claim 1, wherein the wooden insert includes a first piece having a width substantially equal to a distance between the exterior portion and the interior portion and a second piece abutting the side portion.

21. The astragal assembly of claim 20, wherein the second piece has a width less than the width of the first piece.

22. The astragal assembly of claim 1, in combination with a double door system including an active door and a passive door, wherein the side portion of the astragal assembly is fastened to the passive door.

23. A door assembly, comprising:

a passive door having an outer edge;

an active door having an outer edge, wherein the active door is mounted for movement between an open position and a closed position in which the outer edge is aligned with the outer edge of the passive door;

an astragal coupled to the outer edge of the passive door, wherein the astragal includes a metallic rail having an exterior portion, an interior portion spaced from and opposed to the exterior portion, and a side portion that extends between the exterior portion and the interior portion and abuts the outer edge of the passive door, wherein an elongated open channel is defined in the metallic rail with sides formed by the exterior portion and the interior portion and a base formed by the side portion, and a wooden insert retained within the elongated open channel in the metallic rail that faces the active door in the closed position.

24. The door assembly of claim 23, wherein the astragal includes an interior flange extending from the interior portion and an exterior flange extending from the exterior portion such that the outer edge of the passive door is clamped between the interior flange and the exterior flange.

25. The door assembly of claim 23, wherein the exterior portion includes a hollow section.

26. The door assembly of claim 23, wherein the side portion includes a thermal break.

27. The door assembly of claim 23, further comprising door hardware coupled to the wooden insert.

28. The door assembly of claim 27, wherein the hardware includes a strike plate.

29. The door assembly of claim 23, wherein the wooden insert has a U-shaped cross section.

30. The door assembly of claim 23, further comprising a fastener extending through the wooden insert and the side portion into the outer edge of the passive door.

31. The door assembly of claim 23, further comprising a gasket coupled to the exterior portion of the astragal that abuts the active door in the closed position.

32. An astragal comprising:

an extruded aluminum rail with an exterior portion having an exterior flange extending from one side and a stop extending from an opposed side, an interior portion spaced from and opposed to the exterior portion, and a side portion extending between the exterior portion and the interior portion having a fastening formation; and

an insert retained within a channel in the extruded aluminum rail formed by the exterior portion, the interior portion and the side portion, wherein the wooden insert presents an outer surface for attachment to hardware.

33. The astragal of claim 32, wherein the exterior portion includes a hollow section and a hook extending into the channel that retains the insert.

34. The astragal of claim 32, wherein the interior portion includes a thin wall with a hook extending into the channel that retains the insert.

35. The astragal of claim 32, wherein the side portion includes a thermal break.

36. The astragal of claim 32, wherein the insert is wooden.

37. The astragal of claim 32, further comprising a strike plate secured to the insert.

38. The astragal of claim 32, wherein the extruded aluminum rail has a generally U-shaped cross section, with the side portion including a fastening formation that attaches to a door edge such that the U-shaped cross section faces outward from the door edge.